

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/553,507
Source: PCT
Date Processed by STIC: 10/28/2005

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PCT

RAW SEQUENCE LISTING

DATE: 10/28/2005

PATENT APPLICATION: US/10/553,507

TIME: 12:06:22

Input Set : A:\M80678527.ST25.txt

Output Set: N:\CRF4\10282005\J553507.raw

3 <110> APPLICANT: Agriculture Victoria Services Pty Ltd
 4 AgResearch Limited
 5 Spangenberg, German
 6 Emmerling, Michael
 7 Ong. Eng Kok
 8 Mendez, Ramiro
 9 Panter, Stephen
 10 Labandera, Marcel
 12 <120> TITLE OF INVENTION: Manipulation of organic acid biosynthesis and secretion
 14 <130> FILE REFERENCE: FREE.P-006
 C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/553,507
 C--> 16 <141> CURRENT FILING DATE: 2005-10-14
 16 <150> PRIOR APPLICATION NUMBER: 2003901796
 17 <151> PRIOR FILING DATE: 2003-04-14
 19 <150> PRIOR APPLICATION NUMBER: 2004901259
 20 <151> PRIOR FILING DATE: 2004-03-10
 22 <150> PRIOR APPLICATION NUMBER: PCT/AU2004/00493
 23 <151> PRIOR FILING DATE: 2004-04-14
 25 <160> NUMBER OF SEQ ID NOS: 400
 27 <170> SOFTWARE: PatentIn version 3.2
 29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 1550
 31 <212> TYPE: DNA
 32 <213> ORGANISM: Lolium perenne
 35 <220> FEATURE:
 36 <221> NAME/KEY: misc_feature
 37 <222> LOCATION: (2)..(3)
 38 <223> OTHER INFORMATION: n is a, c, g, or t
 40 <400> SEQUENCE: 1
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 43 ggctgaaagc agctcgtttg ttgaggtcgc ctacctctta atgtatggga atttgcccac 120
 45 ccagagtcaa ctggcaggct gggagtttgc aatttcgcag cactctgctg ttcctcaagg 180
 47 actcttgat ataatacaat caatgcctca tgatgccac cccatgggtg tcttgccag 240
 49 tgcaatgagc acactttcag tcttccatcc agatgcaaac cctgctctta gaggtcaaga 300
 51 tctatacaag tcgaagcagg ttagggataa gcaaattgta cgagttcttg ggaaggcacc 360
 53 agtaatagca gctgcagcct atctgagatt agcaggaagg ccctttgtcc ttccttcaaa 420
 55 taatctctct tattcagaaa atttcttgta tatgctggac tctatgggtg acaaagatta 480
 57 taagccaaat cccagacttg cccgggttct ggatgtcctt tttattcttc atgctgaaca 540
 59 cgaaatgaac tgetcaacag ctgctgtag gcaccttget tcaagtgggtg tcgatgtctt 600
 61 cactgctctt tctggtgctg ttggagctct atatggtcca ctgcatgggtg gcgcaaatga 660
 63 ggcggtactt aaaatgttaa atgagattgg aagtgtagag aatattccgg aattcattga 720
 65 gggagtgaag aacaggaagc ggaaaatgtc tggttttggg caccgtgtgt ataagaatta 780
 67 tgatcctcgt gctaaagtca tccggaagtt agcggaggag gttttcacga ttgtgggacg 840

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69 ggatcctctt atcgaggtag ctgttgcttt ggagaaggca gcactgtcag acgagtattt 900
71 tatcaagagg aagctgtatc caaatgtgga tttttattct ggctaatat atagggcaat 960
73 gggattccct acagagtttt tccctgttct gtttgcagtt cctcgcatgg ctggttgggt 1020
75 agcacattgg aaggagtcac ttgatgacct cgacaataaa attatgaggc cccaacaggt 1080
77 atacaccggg acttgggctaa ggcattacac cccagtgaga gaacgggtgc catcaagcga 1140
79 cagtgagcag cttggggcaga tcgctacatc aaacgcgacg aggcgtcggc gtgctggctc 1200
81 tgcctgttag aacagtctgc atgatacagc atacagtcca cacaataaac caagctgcc 1260
83 agggccacgg ctgcttaaat ctgggagctg ctatacttgt gttatcacgt atatataggc 1320
85 aataaaactaa taatgccgcc aggacacttc actggtggtc atgtgaagtt ggtagtagaa 1380
87 tgcacttgta acgtgttggt aatttggtat cctgcaatgt acgctctata aactgttcag 1440
89 tatcttgaaa gtcttaatca tgtggaccaa tgaagacata gatcaagttc tttgcatggg 1500
91 cggcggctgt ttctttggga aaaaactttt tatgggagtc tttttttacc 1550
94 <210> SEQ ID NO: 2
95 <211> LENGTH: 401
96 <212> TYPE: PRT
97 <213> ORGANISM: Lolium perenne
99 <400> SEQUENCE: 2
101 Tyr Ile Asp Gly Asp Glu Gly Ile Leu Arg Tyr Arg Gly Tyr Pro Ile
102 1 5 10 15
105 Glu Glu Val Ala Glu Ser Ser Ser Phe Val Glu Val Ala Tyr Leu Leu
106 20 25 30
109 Met Tyr Gly Asn Leu Pro Thr Gln Ser Gln Leu Ala Gly Trp Glu Phe
110 35 40 45
113 Ala Ile Ser Gln His Ser Ala Val Pro Gln Gly Leu Leu Asp Ile Ile
114 50 55 60
117 Gln Ser Met Pro His Asp Ala His Pro Met Gly Val Leu Ala Ser Ala
118 65 70 75 80
121 Met Ser Thr Leu Ser Val Phe His Pro Asp Ala Asn Pro Ala Leu Arg
122 85 90 95
125 Gly Gln Asp Leu Tyr Lys Ser Lys Gln Val Arg Asp Lys Gln Ile Val
126 100 105 110
129 Arg Val Leu Gly Lys Ala Pro Val Ile Ala Ala Ala Tyr Leu Arg
130 115 120 125
133 Leu Ala Gly Arg Pro Phe Val Leu Pro Ser Asn Asn Leu Ser Tyr Ser
134 130 135 140
137 Glu Asn Phe Leu Tyr Met Leu Asp Ser Met Gly Asp Lys Asp Tyr Lys
138 145 150 155 160
141 Pro Asn Pro Arg Leu Ala Arg Val Leu Asp Val Leu Phe Ile Leu His
142 165 170 175
145 Ala Glu His Glu Met Asn Cys Ser Thr Ala Ala Val Arg His Leu Ala
146 180 185 190
149 Ser Ser Gly Val Asp Val Phe Thr Ala Leu Ser Gly Ala Val Gly Ala
150 195 200 205
153 Leu Tyr Gly Pro Leu His Gly Gly Ala Asn Glu Ala Val Leu Lys Met
154 210 215 220
157 Leu Asn Glu Ile Gly Ser Val Glu Asn Ile Pro Glu Phe Ile Glu Gly
158 225 230 235 240
161 Val Lys Asn Arg Lys Arg Lys Met Ser Gly Phe Gly His Arg Val Tyr
162 245 250 255

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165 Lys Asn Tyr Asp Pro Arg Ala Lys Val Ile Arg Lys Leu Ala Glu Glu
166           260           265           270
169 Val Phe Thr Ile Val Gly Arg Asp Pro Leu Ile Glu Val Ala Val Ala
170           275           280           285
173 Leu Glu Lys Ala Ala Leu Ser Asp Glu Tyr Phe Ile Lys Arg Lys Leu
174           290           295           300
177 Tyr Pro Asn Val Asp Phe Tyr Ser Gly Leu Ile Tyr Arg Ala Met Gly
178 305           310           315           320
181 Phe Pro Thr Glu Phe Phe Pro Val Leu Phe Ala Val Pro Arg Met Ala
182           325           330           335
185 Gly Trp Leu Ala His Trp Lys Glu Ser Leu Asp Asp Pro Asp Asn Lys
186           340           345           350
189 Ile Met Arg Pro Gln Gln Val Tyr Thr Gly Thr Trp Leu Arg His Tyr
190           355           360           365
193 Thr Pro Val Arg Glu Arg Val Pro Ser Ser Asp Ser Glu Gln Leu Gly
194           370           375           380
197 Gln Ile Ala Thr Ser Asn Ala Thr Arg Arg Arg Arg Ala Gly Ser Ala
198 385           390           395           400
201 Leu

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205 <210> SEQ ID NO: 3

206 <211> LENGTH: 763

207 <212> TYPE: DNA

208 <213> ORGANISM: Lolium perenne

211 <220> FEATURE:

212 <221> NAME/KEY: misc_feature

213 <222> LOCATION: (2)..(3)

214 <223> OTHER INFORMATION: n is a, c, g, or t

216 <220> FEATURE:

217 <221> NAME/KEY: misc_feature

218 <222> LOCATION: (649)..(649)

219 <223> OTHER INFORMATION: n is a, c, g, or t

221 <220> FEATURE:

222 <221> NAME/KEY: misc_feature

223 <222> LOCATION: (661)..(661)

224 <223> OTHER INFORMATION: n is a, c, g, or t

226 <220> FEATURE:

227 <221> NAME/KEY: misc_feature

228 <222> LOCATION: (753)..(753)

229 <223> OTHER INFORMATION: n is a, c, g, or t

231 <220> FEATURE:

232 <221> NAME/KEY: misc_feature

233 <222> LOCATION: (763)..(763)

234 <223> OTHER INFORMATION: n is a, c, g, or t

236 <400> SEQUENCE: 3

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W--> 237 gnnattatatt gacgggggatg aggggaattct tcgctacaga ggctatccaa ttgaggaggt      60
      239 ggctgaaagc agctcgtttg ttgaggctgc ctaccttta atgtatggga atttgcccac      120
      241 ccagagtcaa ctggcaggct gggagtttgc aatttcgcag cactctgctg ttccctcaagg      180
      243 actcttg gat ataatacaat caatgcctca tgatgcccac cccatgggtg tccttgccag      240
      245 tgcaatgagc acactttcag tcttccatcc agatgcaaac cctgctctta gaggtcaaga      300

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247 tctatacaag tcgaagcagg ttagggataa gcaaattgta cgagttcttg ggaaggcacc 360
249 agtaatagca gctgcagcct atctgagatt agcaggaagg ccttttgtcc ttccttcaaa 420
251 taatctctct tattcagaaa atttcttgta tatgctggac tctatgggtg acaaagatta 480
253 taagccaaat cccagacttg cccgggttct ggatgtcctt tttattcttc atgctgaaca 540
255 cgaaatgaac tgctcaacag ctgctggttag gcaccttgc tcaagtgggtg tcgatgtctt 600
W--> 257 cactgctctt tctgggtgctg ttggagctct atatgggtcca ctgcatggng gcgcaaatga 660
W--> 259 ngcggctactt aaatgtttaa tgagattgga agtgtagaga atattccgga attcattgag 720
W--> 261 ggagtgaaga acaggaagcg gaaaatgtct ggnntttgggc acn 763
264 <210> SEQ ID NO: 4
265 <211> LENGTH: 682
266 <212> TYPE: DNA
267 <213> ORGANISM: Lolium perenne
270 <220> FEATURE:
271 <221> NAME/KEY: misc_feature
272 <222> LOCATION: (44)..(44)
273 <223> OTHER INFORMATION: n is a, c, g, or t
275 <220> FEATURE:
276 <221> NAME/KEY: misc_feature
277 <222> LOCATION: (46)..(46)
278 <223> OTHER INFORMATION: n is a, c, g, or t
280 <220> FEATURE:
281 <221> NAME/KEY: misc_feature
282 <222> LOCATION: (682)..(682)
283 <223> OTHER INFORMATION: n is a, c, g, or t
285 <400> SEQUENCE: 4
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288 tacaatcaat gcctcatgat gccaccccca tgggtgtcct tgccagtgca atgagcacac 120
290 tttcagtctt ccatccagat gcaaaccctg ctcttagagg tcaagatcta tacaagtcga 180
292 agcagggttag ggataagcaa attgtacgag ttcttgggaa ggcaccagta atagcagctg 240
294 cagcctatct gagattagca ggaaggccct ttgtccttcc ttcaaataat ctctcttatt 300
296 cagaaaattt cttgtatatg ctggactcta tgggtgacaa agattataag ccaaatacca 360
298 gacttgcccg ggttctggat gtccttttta ttcttcatgc tgaacacgaa atgaactgct 420
300 caacagctgc tgtaggcac cttgcttcaa gtggtgtcga tgtcttcaact gctctttctg 480
302 gtgctgttg agctctatat ggtccactgc atggtggcgc aaatgaggcg gtacttaaaa 540
304 tggttaaatga gattggaagt gtagagaata ttccggaatt cattgaggga gtgaagaaca 600
306 ggaagcggaa aatgtctggt ttgggacacc gtgtgtataa gaattatgat cctcgtgcta 660
W--> 308 aagtcacccg gaagtttagc gn 682
311 <210> SEQ ID NO: 5
312 <211> LENGTH: 753
313 <212> TYPE: DNA
314 <213> ORGANISM: Lolium perenne
317 <220> FEATURE:
318 <221> NAME/KEY: misc_feature
319 <222> LOCATION: (1)..(1)
320 <223> OTHER INFORMATION: n is a, c, g, or t
322 <220> FEATURE:
323 <221> NAME/KEY: misc_feature
324 <222> LOCATION: (4)..(4)
325 <223> OTHER INFORMATION: n is a, c, g, or t

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Input Set : A:\M80678527.ST25.txt

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327 <220> FEATURE:
328 <221> NAME/KEY: misc_feature
329 <222> LOCATION: (21)..(21)
330 <223> OTHER INFORMATION: n is a, c, g, or t
332 <220> FEATURE:
333 <221> NAME/KEY: misc_feature
334 <222> LOCATION: (753)..(753)
335 <223> OTHER INFORMATION: n is a, c, g, or t
337 <400> SEQUENCE: 5
W--> 338 nttntgctga cacgaaatga nctgctcaac agctgctggt aggcaccttg cttcaagtgg      60
340 tgtcgatgtc ttcactgctc tttctggtgc tgttgagct ctatatggc cactgcatgg      120
342 tggcgcaaat gaggcgttac ttaaaatggt aaatgagatt ggaagtgtag agaattattcc      180
344 ggaattcatt gagggagtga agaacaggaa gcggaaaatg tctggctttg ggcaccgtgt      240
346 gtataagaat tatgatcctc gtgctaaagt catccggaag ttacgaggag aggttttcac      300
348 gattgtggga cgggatcctc ttatcgaggt agctgttgct ttggagaagg tagcactgtc      360
350 agacgagtat tttatcaaga ggaagctgta tccaaatgtg gatttttatt ctggcctaata      420
352 atatagggca atgggattcc ctacagagtt tttccctggt ctggttgagc ttccctcgcat      480
354 ggctggttgg ttagcacatt ggaaggagtc acttgatgac cccgacaata aaattatgag      540
356 gcccacacag gtatacaccc gtacttggct aaggcattac accccagtga gagaacgggt      600
358 gccatcaagc gacagtgagc agcttgggca gatcactaca tcaaacgcga cgaggcgctc      660
360 gcgtgctggt tctgccctgt agaacagtct gcatagata gcatacagtc cacacaataa      720
W--> 362 accaagctgc caaggccac ggctgcttaa atn      753
365 <210> SEQ ID NO: 6
366 <211> LENGTH: 745
367 <212> TYPE: DNA
368 <213> ORGANISM: Lolium perenne
371 <220> FEATURE:
372 <221> NAME/KEY: misc_feature
373 <222> LOCATION: (739)..(739)
374 <223> OTHER INFORMATION: n is a, c, g, or t
376 <400> SEQUENCE: 6
377 gattatcctc gcgctaaagt catccggagt tagcggagga ggttttcacg attgtgggac      60
379 gggatcctct tatcgaggta gctgttgctt tggagaaggc agcactgtca gacgagtatt      120
381 ttatcaagag gaagctgtat ccaaagtgtg atttttattc tggcctaata tatagggcaa      180
383 tgggattccc tgcagagttt tccctgttgc tgtttgcagt tcctcgcatg gctgggttgg      240
385 tagcacattg gaaggagtca cttgatgacc ccgacaataa aattatgagg ccccaacagg      300
387 tatacacccg tacttggcta aggcattaca cccagtgag agaacgggtg ccatcaagcg      360
389 acagtgagca gcttgggcag atcgctacat caaacgcgac gaggcgctcg cgtgctggct      420
391 ctgccctgta gaacagctct catgatacag catacagtc acacaataaa ccaagctgcc      480
393 aagggccacg gctgcttaaa tctgggagct gctatacttg tgttatcacg tatatgtagg      540
395 caataaacta ataatgccgc caggacactt cactgggtgg catgtgaagt tggtagtaga      600
397 atgcacttgt aacgtgttgt taatttggtt tcctgcaatg tacgctctat aaactgttca      660
399 gtgtcttgaa agtcttaatc atgtggacca agaagacata gatcaagttc tttgcatggg      720
W--> 401 cggcggctgt ttctttggna aaaaa      745
404 <210> SEQ ID NO: 7
405 <211> LENGTH: 666
406 <212> TYPE: DNA
407 <213> ORGANISM: Lolium perenne
410 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/553,507DATE: 10/28/2005
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Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 2,3
Seq#:3; N Pos. 2,3,649,661,753,763
Seq#:4; N Pos. 44,46,682
Seq#:5; N Pos. 1,4,21,753
Seq#:6; N Pos. 739
Seq#:7; N Pos. 40,654,658,659,660,661
Seq#:8; N Pos. 2,3
Seq#:11; N Pos. 12,457,1087,1106
Seq#:12; Xaa Pos. 4,152
Seq#:13; N Pos. 12,743,782,792,797,802
Seq#:14; N Pos. 2,9,630,649,703,706
Seq#:15; N Pos. 83,86,413,427,490,570,572,573,581
Seq#:17; N Pos. 3,13,17,23,107,635
Seq#:18; Xaa Pos. 1,4,6,8,36
Seq#:19; N Pos. 4,11,14,19,21,26,30,37,41,43,44,47,50,636
Seq#:20; Xaa Pos. 1,4,5,6,7,9,10,12,14,15,16,17
Seq#:21; N Pos. 665
Seq#:23; N Pos. 650
Seq#:26; N Pos. 469,475,479,480,502,508,522,526,529,530,534,537,543,544
Seq#:27; N Pos. 243,386,459,494,509,541,562,571,574,580
Seq#:28; N Pos. 3,5,12,13,406,409
Seq#:29; N Pos. 79
Seq#:30; N Pos. 7,49,503,506,656,678,807
Seq#:31; Xaa Pos. 2,16,168,169
Seq#:32; N Pos. 7,19,21,48,502,505,655,677,678,693,702,708
Seq#:33; N Pos. 790
Seq#:34; N Pos. 2,3,7,18,27,48,75,77,99,198,227,228,232,244,275,305,309,339
Seq#:34; N Pos. 342,348,385,419
Seq#:35; Xaa Pos. 1,3,6,9,16,25,26,33,66,76,78,82,92,102,103,113,114,116
Seq#:35; Xaa Pos. 129
Seq#:36; N Pos. 2,4,774
Seq#:37; Xaa Pos. 1,2,258
Seq#:38; N Pos. 8,504,516,526,529,558,572,640,653,679,682,701,721,755,764
Seq#:38; N Pos. 766,782,793,798,806,807,816
Seq#:39; Xaa Pos. 2,168,172,175,176,186,190,213,217,226,227,233,240,251,254
Seq#:39; Xaa Pos. 255,260,264,266,268,269
Seq#:40; N Pos. 10,13,134,233,248,260,301,499,633
Seq#:41; Xaa Pos. 38,71,76,80,94,160,204
Seq#:42; N Pos. 2,3,4,10,13,130,134,230,233,248,260,276,301,633
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Seq#:45; Xaa Pos. 214,219
Seq#:46; N Pos. 2
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Seq#:49; N Pos. 4,14,16,18,25,34,42,57,269,274,282,327,329
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Seq#:51; N Pos. 11,17,18,22,44,162,175,194
Seq#:52; N Pos. 2,3,10,13,46,50,51,88
Seq#:53; N Pos. 2,3,5,10,37
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Seq#:55; N Pos. 747
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Seq#:57; N Pos. 1,8,11,681
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Seq#:66; N Pos. 2,3,643
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Seq#:77; N Pos. 7,713,797
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Seq#:81; N Pos. 4,44
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Seq#:84; N Pos. 1,33
Seq#:85; N Pos. 9,17,22,98,150,175,276,279,297,305
Seq#:86; N Pos. 245,265,278,294,300,312,326,327,328,331,333,334,340,345,348
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Seq#:97; N Pos. 1,7,9,14,36
Seq#:98; N Pos. 36
Seq#:99; N Pos. 435,453,458,469,472,482,485,486,488,491,500,501,503,506,511

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Seq#:104; N Pos. 28
Seq#:106; N Pos. 4,82
Seq#:108; N Pos. 69,223,412,413,415,417,418
Seq#:110; N Pos. 2,6,33
Seq#:111; N Pos. 3,25,30,106,133,137,142,143,145,155,163,165,166,168,175
Seq#:111; N Pos. 177
Seq#:112; Xaa Pos. 1,9,10,36,45,46,48,49,52,55,56
Seq#:113; N Pos. 2,40,568,582
Seq#:114; Xaa Pos. 1,13,189,194
Seq#:115; N Pos. 2,7,11,16,24,26,44,47,59,60,67,1179,1242
Seq#:116; Xaa Pos. 1,3,4,6,8,9,15,16,20,23,393,414
Seq#:117; N Pos. 2,7,11,16,24,26,45,51,58,65,490,573,589,603,645,646,705
Seq#:117; N Pos. 707
Seq#:118; N Pos. 2,15,21,27,28,34
Seq#:119; N Pos. 2,34,35,760,800
Seq#:120; N Pos. 2,9,14,19,20,26,27,33,632,686
Seq#:121; N Pos. 8,9,20,26,27,29,34,687
Seq#:122; N Pos. 4,10,32,33,278,303,329,384,403
Seq#:123; N Pos. 6,11,19,23,31,43,534,536,549,550,554
Seq#:124; N Pos. 6,11,19,24,25,26,31
Seq#:125; N Pos. 2,3,9,11,12,24,25,31,685
Seq#:126; N Pos. 9,11,12,24,25,31
Seq#:127; N Pos. 11,30,89,242,726,798,801
Seq#:128; N Pos. 8,10,14,19,24,25,31,32,658,684
Seq#:129; N Pos. 11,17,24,30,36,217,629,683
Seq#:130; N Pos. 6,8,9,15,21,22,28,656,680
Seq#:131; N Pos. 6,8,9,15,21,22,28
Seq#:132; N Pos. 6,7,8,13,21,27,627,681
Seq#:133; N Pos. 3,4,5,6,19,20,21,26,27,87
Seq#:134; N Pos. 13,28
Seq#:135; N Pos. 2,27,607,628,676,688,704,716,724,725,737,746,751,754
Seq#:136; N Pos. 2,27,28
Seq#:137; N Pos. 2,27,28,772
Seq#:138; N Pos. 2,27,28,794
Seq#:139; N Pos. 3,5,6,12,18,19,26,27
Seq#:140; N Pos. 3,5,6,12,18,19,26,27
Seq#:141; N Pos. 3,5,6,18,19,25
Seq#:142; N Pos. 3,5,6,18,19,21,26,627,655,681,713
Seq#:143; N Pos. 26
Seq#:144; N Pos. 26,27
Seq#:145; N Pos. 2,3,9,16,17,22,545
Seq#:146; N Pos. 2,4,5,10,17,18,20,25,680
Seq#:147; N Pos. 3,4,9,10,16,17,23,624,678
Seq#:148; N Pos. 1,2,3,9,15,16,18,23
Seq#:149; N Pos. 2,3,8,15,16,22,623
Seq#:150; N Pos. 1,720,741,745

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Input Set : A:\M80678527.ST25.txt
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Seq#:151; N Pos. 393,745
Seq#:152; N Pos. 2,7,14,15,21,676
Seq#:153; N Pos. 1,6,7,8,21,538,597,598,649,650,679
Seq#:154; N Pos. 2,8,10,11,16,525,575,596,601,638,665,686
Seq#:155; N Pos. 11,12,19,619
Seq#:156; N Pos. 2,7,9,10,23,671
Seq#:157; N Pos. 3,8,10,11,17,24,550
Seq#:158; N Pos. 12,89,740,773,780,783
Seq#:159; N Pos. 4,10,11,18,19
Seq#:160; N Pos. 3,11,12,18,673
Seq#:161; N Pos. 11,17,672
Seq#:162; N Pos. 6,8,9,15,17
Seq#:163; N Pos. 3,4,10,11,17
Seq#:164; N Pos. 2,3,4,7,13,18,20
Seq#:165; N Pos. 3,5,6,19
Seq#:166; N Pos. 2
Seq#:167; N Pos. 3,4,5,6,11,22,614,664
Seq#:168; N Pos. 3,5,6,12,14,19,667,680
Seq#:170; N Pos. 2,4,5,11,18
Seq#:172; N Pos. 8,11,659
Seq#:173; N Pos. 3,4,11,571,605,655,665,674,680
Seq#:174; N Pos. 211,258,354,355,369,397,421,422,441,445,461,465,468
Seq#:175; N Pos. 2,9,10,38,478,641
Seq#:176; N Pos. 12
Seq#:177; N Pos. 637
Seq#:178; N Pos. 1,17,33,281,293,297,303,327
Seq#:179; N Pos. 2,6,16,17,33
Seq#:180; N Pos. 467,617
Seq#:182; N Pos. 693,756
Seq#:183; N Pos. 2,9,10,14,23,26,47,347,360,394,405,409
Seq#:184; Xaa Pos. 3,4,7,8,15,115,120,131,135,136
Seq#:185; N Pos. 2,7,12,13,646
Seq#:186; Xaa Pos. 1,2,4,214
Seq#:187; N Pos. 2,31,149,624,669
Seq#:188; Xaa Pos. 1,10,50,208,223
Seq#:189; N Pos. 24,31,192,1194,1514,1530,1584,1616,1622,1633
Seq#:190; Xaa Pos. 4,8,10,64,398
Seq#:191; N Pos. 24,31,192,541,616,632,643,670,685,691,693
Seq#:192; N Pos. 732,758,777
Seq#:193; N Pos. 8
Seq#:194; N Pos. 4
Seq#:195; N Pos. 10,81,538,542,557,610,642,648,659
Seq#:196; N Pos. 86,87,404,424,448
Seq#:197; N Pos. 5,11,15,19,34,44,160,177,180,183,194,199,205,213,222
Seq#:198; Xaa Pos. 1,3,5,6,11,14,53,59,60,61,64,66,68,71
Seq#:199; N Pos. 4,12
Seq#:200; Xaa Pos. 2,4
Seq#:201; N Pos. 31,302,368,375,382,393,413,417,418,420,422,426,445
Seq#:202; Xaa Pos. 11,101,123,125,128,131,138,139,140,141,142,149

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Seq#:203; N Pos. 15,28,38,46
Seq#:204; Xaa Pos. 5,9,12,15
Seq#:205; N Pos. 15,623,645,649,656
Seq#:206; Xaa Pos. 188,195,197,199
Seq#:207; N Pos. 3,10,15,17,23,37,40,41,91,156,165,166,177,193
Seq#:208; N Pos. 3,6,19,21,24
Seq#:209; N Pos. 3
Seq#:211; N Pos. 7
Seq#:212; N Pos. 2,10,54,300,311,317,321,327,329,333,335,343
Seq#:213; N Pos. 4,16,27
Seq#:214; N Pos. 4
Seq#:215; N Pos. 24
Seq#:216; N Pos. 10,23
Seq#:217; N Pos. 319,327,387,432,480,490,501,546,552,570,602,624,628,635
Seq#:218; N Pos. 9,14,15,20,27,55,66
Seq#:220; N Pos. 8,9,14,15,20,22,286,295,299,300,314,317
Seq#:221; N Pos. 6,9,14,15,20,314,320,336,341,344,345,346
Seq#:222; N Pos. 2,3,20,39
Seq#:223; N Pos. 4,25,28,29,36,44
Seq#:224; N Pos. 3,6,28,32,39,42,477,486,497,520,528
Seq#:225; N Pos. 20,24,31,238
Seq#:226; N Pos. 15,24,30,31,48
Seq#:227; N Pos. 2,20,21,24,29,30
Seq#:228; N Pos. 2,4,15,19,218,221,227,263,267,268,329,332,333
Seq#:229; N Pos. 3,18,37,91,126,378,551
Seq#:230; N Pos. 20,27
Seq#:231; N Pos. 17,28,52
Seq#:232; N Pos. 2,10,15,22,26
Seq#:233; N Pos. 10,13,16,20,87,392
Seq#:234; N Pos. 11,12,15
Seq#:235; N Pos. 2,8,16,19,26,50
Seq#:236; N Pos. 6,17,462,482,532,545
Seq#:237; N Pos. 5,12,15
Seq#:238; N Pos. 4,16,17
Seq#:239; N Pos. 9,28,358,386,402,404,405,406,409,413,416,430
Seq#:240; N Pos. 10,35
Seq#:241; N Pos. 6,30
Seq#:242; N Pos. 23,53
Seq#:243; N Pos. 21
Seq#:244; N Pos. 2,3
Seq#:245; N Pos. 17,46
Seq#:246; N Pos. 11
Seq#:247; N Pos. 24,38
Seq#:248; N Pos. 1,9,11,17,22,367,427,482,488,489,500,510
Seq#:249; N Pos. 20
Seq#:251; N Pos. 1,2,3,4,5,6,8,10,12,13,25
Seq#:252; N Pos. 5,46,767,812,821,823,851,922,933,1360,1386,1390,1393,1403
Seq#:253; Xaa Pos. 218,233,236,237,246,270,273
Seq#:254; N Pos. 5,16,31

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Seq#:255; N Pos. 4,17
Seq#:256; N Pos. 2,3,33
Seq#:257; N Pos. 2,13,20,24,27
Seq#:258; N Pos. 11,18,22
Seq#:259; N Pos. 2,11,18,22
Seq#:260; N Pos. 2,718,731,744,753,757,771,775,784,786,791,806,813
Seq#:261; N Pos. 10,17,24
Seq#:262; N Pos. 9,20,56
Seq#:263; N Pos. 178,553,572,585,590,669,673,678,679,686,699,704,710,730
Seq#:263; N Pos. 731,735,737,741,744,747,751,772,773,777,783,795,798
Seq#:264; N Pos. 2,3,19
Seq#:266; N Pos. 28,30,140,517,547,584,635,678,689,691,703,712,720,724,734
Seq#:266; N Pos. 743,745,754,756,766,769,772,773,782,795,797,798,804,805
Seq#:266; N Pos. 811
Seq#:267; N Pos. 2,15,16,36,38,673,705,719
Seq#:268; N Pos. 2,9
Seq#:269; N Pos. 7,12,17,19,22,36,39,77,104,105,106
Seq#:270; N Pos. 2,4,19,27,38,43,417,443,447,450,460
Seq#:271; N Pos. 17
Seq#:273; N Pos. 2,17,44
Seq#:274; N Pos. 15,16
Seq#:275; N Pos. 10
Seq#:276; N Pos. 3,5,23,43,48,834,846,898,900,1162,1192
Seq#:277; Xaa Pos. 249,253,358
Seq#:278; N Pos. 3,5,23,43,48,651,670
Seq#:279; N Pos. 2
Seq#:281; N Pos. 2,11
Seq#:282; N Pos. 545,562,584,592,615,619,625,631,638,644,647,653,670,674
Seq#:282; N Pos. 680
Seq#:283; N Pos. 4,19,21,22,50
Seq#:284; N Pos. 42,339,356,394,401,409,414,432,434,437,446
Seq#:285; N Pos. 266,560
Seq#:286; N Pos. 40,42,298,304
Seq#:287; N Pos. 10,31,36,38,299
Seq#:288; N Pos. 2,3,7,14,38,280
Seq#:289; Xaa Pos. 73
Seq#:290; N Pos. 2,3,7,14,38
Seq#:291; N Pos. 4,12,22
Seq#:292; N Pos. 9,10,19
Seq#:293; N Pos. 199,210,271
Seq#:294; Xaa Pos. 24,28,48
Seq#:295; N Pos. 197,208,210,221,223,237,239,247,254,269,271,273
Seq#:296; N Pos. 2,3
Seq#:297; N Pos. 2,3,7,14,38,280
Seq#:298; Xaa Pos. 73
Seq#:299; N Pos. 2,3,7,14,38
Seq#:300; N Pos. 4,12,22
Seq#:301; N Pos. 9,10,19
Seq#:302; N Pos. 2,14

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Input Set : A:\M80678527.ST25.txt
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Seq#:304; N Pos. 2,14
Seq#:305; N Pos. 27
Seq#:306; N Pos. 8,12,14
Seq#:307; Xaa Pos. 3,4,5
Seq#:308; N Pos. 2
Seq#:310; N Pos. 2,3,9,663,713
Seq#:311; Xaa Pos. 1,3,221
Seq#:312; N Pos. 2,3,9,575,576
Seq#:313; N Pos. 2,570
Seq#:314; N Pos. 13,619
Seq#:315; N Pos. 2
Seq#:316; Xaa Pos. 1
Seq#:317; N Pos. 2
Seq#:318; N Pos. 584
Seq#:319; N Pos. 15,575
Seq#:321; N Pos. 12,575
Seq#:322; N Pos. 9,537
Seq#:323; N Pos. 583,589,596,602,608,708,737,762,775,786,789,795,796,797
Seq#:323; N Pos. 816,830,834,853,854
Seq#:324; Xaa Pos. 194,196,199,201,203,236,246,254,258,262,263,265,266,272
Seq#:324; Xaa Pos. 277,278,284
Seq#:325; N Pos. 17,573,592,593,639,641,644,654,655,656,663,669,675,679,685
Seq#:325; N Pos. 686,691,692,693
Seq#:326; Xaa Pos. 157,163,179,180,184,187,189,191,192,194,196
Seq#:327; N Pos. 2,3,4,6,8,23,33,988,1307
Seq#:329; N Pos. 2,3,4,6,8,33,692
Seq#:330; N Pos. 9,12,588
Seq#:331; N Pos. 6,13,17,26,32,35,38,45,681
Seq#:332; N Pos. 3,12,13,29,42,339,405,417,423,426,441,444,455,456
Seq#:333; N Pos. 2,601
Seq#:334; N Pos. 2,33,581
Seq#:335; N Pos. 2,14,16,559
Seq#:336; N Pos. 2,7,124,1243,1244
Seq#:337; Xaa Pos. 358
Seq#:338; N Pos. 2,7,609
Seq#:339; N Pos. 2,5,16,589
Seq#:340; N Pos. 2,3,5,23,593,594
Seq#:341; N Pos. 2,20,570
Seq#:342; N Pos. 2,17,591,592
Seq#:343; N Pos. 12,579
Seq#:344; N Pos. 593,594

Invalid <213> Response:



Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:355,356,357,358,359,360,361,362,363,364,365,366,367,368,369,370,371,372
Seq#:373,374,375,376,377,378,379,380,381,382,383,384,385,386,387,388,389,390
Seq#:391,392,393,394,395,396,397,398,399,400

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Input Set : A:\M80678527.ST25.txt

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L:16 M:270 C: Current Application Number differs, Replaced Current Application No
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:600
L:259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:660
L:261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:720
L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:660
L:338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:720
L:401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:720
L:426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:600
L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:660
L:463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:420
L:597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:1080
L:620 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:144
L:737 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:720
L:763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:780
L:803 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:600
L:825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:660
L:877 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:60
L:887 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:360
L:889 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:420
L:891 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:480
L:893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:540
L:954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:956 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:60
L:974 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:600
L:1010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:1018 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:32
L:1138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:1158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:600
L:1194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:1198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:16
L:1272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:660
L:1350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:600
L:1487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:420
L:1489 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:480
L:1491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:540
L:1559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:240
L:1563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:360

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L:1565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:420
L:1567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:480
L:1569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:540
L:1604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:1616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:360
L:1633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:60
L:1686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:1702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:480
L:1706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:600
L:1708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:660
L:1712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:780
L:1738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:1778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:160
L:1848 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:1864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:480
L:1868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:600
L:1870 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:660
L:1911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:780
L:2021 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:2023 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:60
L:2027 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:180
L:2029 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:240
L:2031 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:300
L:2033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:360
L:2124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:2128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:16
L:2132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:32
L:2140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:64
L:2144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:80
L:2148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:96
L:2152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:112
L:2156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:128
L:2182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:2206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:720
L:2227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:2291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:256
L:2407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:2423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:480
L:2425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:540
L:2427 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:600
L:2429 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:660
L:2431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:720
L:2433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:780
L:2529 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:2569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:160
L:2573 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:176
L:2581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:208
L:2585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:224
L:2589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:240

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TIME: 12:06:23

Input Set : A:\M80678527.ST25.txt

Output Set: N:\CRF4\10282005\J553507.raw

L:2593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:256
L:2649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:2653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:120
L:2655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:180
L:2657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:240
L:2659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:300
L:2665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:480
L:2669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:600
L:2729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:32
L:2737 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:64
L:2741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:80
L:2757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:144
L:2769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:192
L:2844 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:2848 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:120
L:2850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:180
L:2852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:240
L:2854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:300
L:2864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:600
L:2906 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:480
L:2946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:600
L:3021 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:208
L:3037 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:3206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:3226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:600
L:3228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:660
L:3305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
L:3313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:240
L:3315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:300
L:3380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
L:3388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:240
L:3433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:3437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:120
L:3439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:180
L:3479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:0
L:3481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:60
L:3529 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0
L:3614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:0
L:3628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:420
L:3630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:480
L:3632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:540
L:3634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:600
L:3636 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:660
L:3675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:720
L:3726 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:720
L:3728 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:780
L:3758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0
L:3780 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:660
L:3795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0

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L:3859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:660
L:3863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:780
L:3915 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0
L:3937 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:660
L:3985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:0
L:4048 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:720
L:4063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:0
L:4107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:0
L:4127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:600
L:4148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:0
L:4209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:0
L:4225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:480
L:4233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:720
L:4266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:180
L:4282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:660
L:4284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:720
L:4326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:0
L:4330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:120
L:4334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:240
L:4336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:300
L:4381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:0
L:4383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:60
L:4389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:240
L:4397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:480
L:4462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0
L:4480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:540
L:4482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:600
L:4484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:660
L:4499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0
L:4544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0
L:4564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:600
L:4566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:660
L:4581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:0
L:4665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:0
L:4687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:660
L:4691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:780
L:4788 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:360
L:4790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:420
L:4792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:480
L:4794 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:540
L:4864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:0
L:4866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:60
L:4874 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:300
L:4876 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:360
L:4880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:480
L:4884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:600
L:4886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:660
L:4903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:60
L:4945 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0

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L:4994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:0
L:5012 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:540
L:5052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:0
L:5070 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:540
L:5092 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:0
L:5174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:0
L:5176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:60
L:5178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:120
L:5182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:240
L:5184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:300
L:5262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:240
L:5264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:300
L:5344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:0
L:5360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:480
L:5362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:540
L:5364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:600
L:5379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:0
L:5416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:0
L:5455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:0
L:5518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:660
L:5555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92 after pos.:660
L:5641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93 after pos.:480
L:5643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93 after pos.:540
L:5645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93 after pos.:600
L:5647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93 after pos.:660
L:5667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:0
L:5689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:660
L:5739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:0
L:5798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97 after pos.:0
L:5835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:0
L:5948 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:420
L:5950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:480
L:6035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:0
L:6037 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:60
L:6043 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:240
L:6051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:480
L:6053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:540
L:6055 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:600
L:6096 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:720
L:6141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102 after pos.:0
L:6155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102 after pos.:420
L:6161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102 after pos.:600
L:6163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102 after pos.:660
L:6209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:104 after pos.:0
L:6282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:0
L:6284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:60
L:6372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108 after pos.:60
L:6376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108 after pos.:180
L:6382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108 after pos.:360

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L:6424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:0
L:6510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:0
L:6512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:60
L:6514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:120
L:6560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:0
L:6568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:32
L:6572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:48
L:6603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:0
L:6621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:540
L:6656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:0
L:6700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:176
L:6704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:192
L:6779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:115 after pos.:0
L:6781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:115 after pos.:60
L:6817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:115 after pos.:1140
L:6819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:115 after pos.:1200
L:6877 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:0
L:6881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:16
L:6973 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:384
L:6977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:400
L:7077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:0
L:7079 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:60
L:7093 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:480
L:7095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:540
L:7097 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:600
L:7099 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:660
L:7134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:118 after pos.:0
L:7184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119 after pos.:0
L:7208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119 after pos.:720
L:7210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119 after pos.:780
L:7260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:0
L:7280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:600
L:7282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:660
L:7322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:0
L:7344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:660
L:7394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:0
L:7402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:240
L:7404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:300
L:7406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:360
L:7466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:0
L:7482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:480
L:7484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:540
L:7519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:0
L:7579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125 after pos.:0
L:7601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125 after pos.:660
L:7631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:0
L:7698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:0
L:7700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:60
L:7706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:240

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L:7722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:720
L:7724 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:780
L:7774 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:128 after pos.:0
L:7794 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:128 after pos.:600
L:7796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:128 after pos.:660
L:7846 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 after pos.:0
L:7852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 after pos.:180
L:7866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 after pos.:600
L:7868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 after pos.:660
L:7913 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130 after pos.:0
L:7933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130 after pos.:600
L:7935 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130 after pos.:660
L:7970 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131 after pos.:0
L:8032 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:132 after pos.:0
L:8052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:132 after pos.:600
L:8054 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:132 after pos.:660
L:8084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:133 after pos.:0
L:8086 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:133 after pos.:60
L:8124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:0
L:8223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135 after pos.:0
L:8243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135 after pos.:600
L:8245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135 after pos.:660
L:8247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135 after pos.:720
L:8267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136 after pos.:0
L:8316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:137 after pos.:0
L:8340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:137 after pos.:720
L:8365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:138 after pos.:0
L:8391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:138 after pos.:780
L:8426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:139 after pos.:0
L:8481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140 after pos.:0
L:8531 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141 after pos.:0
L:8608 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142 after pos.:0
L:8628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142 after pos.:600
L:8630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142 after pos.:660
L:8645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:143 after pos.:0
L:8684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144 after pos.:0
L:8743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:0
L:8761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:540
L:8810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146 after pos.:0
L:8832 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146 after pos.:660
L:8872 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:147 after pos.:0
L:8892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:147 after pos.:600
L:8894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:147 after pos.:660
L:8929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:148 after pos.:0
L:8984 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:149 after pos.:0
L:9004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:149 after pos.:600
L:9036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:150 after pos.:0
L:9058 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:150 after pos.:660
L:9060 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:150 after pos.:720

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L:9092 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151 after pos.:360
L:9104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151 after pos.:720
L:9141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:0
L:9163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:660
L:9208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:153 after pos.:0
L:9224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:153 after pos.:480
L:9226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:153 after pos.:540
L:9228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:153 after pos.:600
L:9230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:153 after pos.:660
L:9295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:0
L:9311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:480
L:9313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:540
L:9315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:600
L:9317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:660
L:9342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:155 after pos.:0
L:9362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:155 after pos.:600
L:9397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156 after pos.:0
L:9419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156 after pos.:660
L:9459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:157 after pos.:0
L:9477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:157 after pos.:540
L:9521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158 after pos.:0
L:9523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158 after pos.:60
L:9545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158 after pos.:720
L:9547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158 after pos.:780
L:9572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:159 after pos.:0
L:9622 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160 after pos.:0
L:9644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160 after pos.:660
L:9669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:161 after pos.:0
L:9691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:161 after pos.:660
L:9721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:162 after pos.:0
L:9766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:163 after pos.:0
L:9823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:164 after pos.:0
L:9868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:0
L:9905 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:166 after pos.:0
L:9964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:167 after pos.:0
L:9984 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:167 after pos.:600
L:9986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:167 after pos.:660
L:10031 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:168 after pos.:0
L:10053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:168 after pos.:660
L:10116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:0
L:10196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:172 after pos.:0
L:10216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:172 after pos.:600
L:10268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:173 after pos.:0
L:10286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:173 after pos.:540
L:10288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:173 after pos.:600
L:10290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:173 after pos.:660
L:10361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174 after pos.:180
L:10363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174 after pos.:240
L:10365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174 after pos.:300

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L:10367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174 after pos.:360
L:10369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174 after pos.:420
L:10404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175 after pos.:0
L:10418 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175 after pos.:420
L:10424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175 after pos.:600
L:10439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176 after pos.:0
L:10498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177 after pos.:600
L:10550 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:178 after pos.:0
L:10558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:178 after pos.:240
L:10560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:178 after pos.:300
L:10590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:179 after pos.:0
L:10644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:180 after pos.:420
L:10650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:180 after pos.:600
L:10723 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:182 after pos.:660
L:10725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:182 after pos.:720
L:10790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:0
L:10800 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:300
L:10802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:360
L:10848 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:184 after pos.:0
L:10876 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:184 after pos.:112
L:10880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:184 after pos.:128
L:10911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:185 after pos.:0
L:10931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:185 after pos.:600
L:10957 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:186 after pos.:0
L:11009 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:186 after pos.:208
L:11045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:187 after pos.:0
L:11049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:187 after pos.:120
L:11065 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:187 after pos.:600
L:11067 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:187 after pos.:660
L:11105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188 after pos.:0
L:11117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188 after pos.:48
L:11153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188 after pos.:192
L:11157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188 after pos.:208
L:11226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:189 after pos.:0
L:11232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:189 after pos.:180
L:11264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:189 after pos.:1140
L:11276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:189 after pos.:1500
L:11278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:189 after pos.:1560
L:11280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:189 after pos.:1620
L:11316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190 after pos.:0
L:11328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190 after pos.:48
L:11412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190 after pos.:384
L:11494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:0
L:11500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:180
L:11512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:540
L:11514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:600
L:11516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:660
L:11565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:192 after pos.:720
L:11582 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:0

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L:11623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:194 after pos.:0
L:11702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:0
L:11704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:60
L:11718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:480
L:11720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:540
L:11722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:600
L:11756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:196 after pos.:60
L:11766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:196 after pos.:360
L:11768 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:196 after pos.:420
L:11855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:197 after pos.:0
L:11859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:197 after pos.:120
L:11861 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:197 after pos.:180
L:11927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:198 after pos.:0
L:11939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:198 after pos.:48
L:11943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:198 after pos.:64
L:11964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:199 after pos.:0
L:12001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:200 after pos.:0
L:12096 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:201 after pos.:0
L:12106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:201 after pos.:300
L:12108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:201 after pos.:360
L:12110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:201 after pos.:420
L:12161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202 after pos.:0
L:12185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202 after pos.:96
L:12189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202 after pos.:112
L:12193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202 after pos.:128
L:12197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202 after pos.:144
L:12228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:203 after pos.:0
L:12279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204 after pos.:0
L:12367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205 after pos.:0
L:12387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205 after pos.:600
L:12464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206 after pos.:176
L:12468 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206 after pos.:192
L:12539 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:207 after pos.:0
L:12541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:207 after pos.:60
L:12543 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:207 after pos.:120
L:12545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:207 after pos.:180
L:12580 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:208 after pos.:0
L:12613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:0
L:12673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:211 after pos.:0
L:12763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212 after pos.:0
L:12771 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212 after pos.:240
L:12773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212 after pos.:300
L:12798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:213 after pos.:0
L:12831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:214 after pos.:0
L:12864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:215 after pos.:0
L:12902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:0
L:13010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:217 after pos.:300
L:13012 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:217 after pos.:360
L:13014 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:217 after pos.:420

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L:13016 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:217 after pos.:480
L:13018 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:217 after pos.:540
L:13020 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:217 after pos.:600
L:13060 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:218 after pos.:0
L:13062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:218 after pos.:60
L:13242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:220 after pos.:0
L:13250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:220 after pos.:240
L:13252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:220 after pos.:300
L:13307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:221 after pos.:0
L:13317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:221 after pos.:300
L:13342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222 after pos.:0
L:13395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:223 after pos.:0
L:13478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:224 after pos.:0
L:13492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:224 after pos.:420
L:13494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:224 after pos.:480
L:13524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:225 after pos.:0
L:13530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:225 after pos.:180
L:13572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:226 after pos.:0
L:13622 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:227 after pos.:0
L:13705 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:228 after pos.:0
L:13711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:228 after pos.:180
L:13713 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:228 after pos.:240
L:13715 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:228 after pos.:300
L:13760 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:229 after pos.:0
L:13762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:229 after pos.:60
L:13764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:229 after pos.:120
L:13772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:229 after pos.:360
L:13778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:229 after pos.:540
L:13798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:230 after pos.:0
L:13841 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:231 after pos.:0
L:13894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:232 after pos.:0
L:13952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:233 after pos.:0
L:13954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:233 after pos.:60
L:13964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:233 after pos.:360
L:13986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:234 after pos.:0
L:14044 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:235 after pos.:0
L:14104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:236 after pos.:0
L:14118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:236 after pos.:420
L:14120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:236 after pos.:480
L:14122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:236 after pos.:540
L:14147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:237 after pos.:0
L:14185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:238 after pos.:0
L:14263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:239 after pos.:0
L:14273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:239 after pos.:300
L:14275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:239 after pos.:360
L:14277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:239 after pos.:420
L:14297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:240 after pos.:0
L:14335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:241 after pos.:0
L:14375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:242 after pos.:0

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L:14408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:243 after pos.:0
L:14441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:244 after pos.:0
L:14485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:245 after pos.:0
L:14518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:246 after pos.:0
L:14556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:247 after pos.:0
L:14639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:248 after pos.:0
L:14651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:248 after pos.:360
L:14653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:248 after pos.:420
L:14655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:248 after pos.:480
L:14670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:249 after pos.:0
L:14752 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:251 after pos.:0
L:14854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:252 after pos.:0
L:14878 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:252 after pos.:720
L:14880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:252 after pos.:780
L:14882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:252 after pos.:840
L:14884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:252 after pos.:900
L:14898 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:252 after pos.:1320
L:14900 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:252 after pos.:1380
L:14993 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:253 after pos.:208
L:14997 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:253 after pos.:224
L:15001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:253 after pos.:240
L:15005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:253 after pos.:256
L:15009 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:253 after pos.:272
L:15051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:254 after pos.:0
L:15087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:255 after pos.:0
L:15127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:256 after pos.:0
L:15180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:257 after pos.:0
L:15223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:258 after pos.:0
L:15271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:259 after pos.:0
L:15364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:260 after pos.:0
L:15386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:260 after pos.:660
L:15388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:260 after pos.:720
L:15390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:260 after pos.:780
L:15415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:261 after pos.:0
L:15458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:262 after pos.:0
L:15614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:263 after pos.:120
L:15628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:263 after pos.:540
L:15632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:263 after pos.:660
L:15634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:263 after pos.:720
L:15636 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:263 after pos.:780
L:15656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:264 after pos.:0
L:15846 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:266 after pos.:0
L:15850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:266 after pos.:120
L:15862 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:266 after pos.:480
L:15864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:266 after pos.:540
L:15866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:266 after pos.:600
L:15868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:266 after pos.:660
L:15870 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:266 after pos.:720
L:15872 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:266 after pos.:780

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L:15917 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:267 after pos.:0
L:15939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:267 after pos.:660
L:15961 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:268 after pos.:0
L:16034 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:269 after pos.:0
L:16036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:269 after pos.:60
L:16103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:270 after pos.:0
L:16115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:270 after pos.:360
L:16117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:270 after pos.:420
L:16132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:271 after pos.:0
L:16226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:273 after pos.:0
L:16259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:274 after pos.:0
L:16292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:275 after pos.:0
L:16375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:276 after pos.:0
L:16401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:276 after pos.:780
L:16403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:276 after pos.:840
L:16413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:276 after pos.:1140
L:16501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:277 after pos.:240
L:16529 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:277 after pos.:352
L:16575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:278 after pos.:0
L:16595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:278 after pos.:600
L:16597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:278 after pos.:660
L:16612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:279 after pos.:0
L:16677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:281 after pos.:0
L:16798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:282 after pos.:540
L:16800 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:282 after pos.:600
L:16802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:282 after pos.:660
L:16832 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:283 after pos.:0
L:16915 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:0
L:16925 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:300
L:16927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:360
L:16929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:420
L:16957 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:285 after pos.:240
L:16967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:285 after pos.:540
L:16997 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:286 after pos.:0
L:17005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:286 after pos.:240
L:17007 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:286 after pos.:300
L:17042 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:287 after pos.:0
L:17050 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:287 after pos.:240
L:17085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:288 after pos.:0
L:17093 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:288 after pos.:240
L:17145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:289 after pos.:64
L:17224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:290 after pos.:0
L:17267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:291 after pos.:0
L:17305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292 after pos.:0
L:17354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:293 after pos.:180
L:17356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:293 after pos.:240
L:17396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:294 after pos.:16
L:17400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:294 after pos.:32
L:17505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:295 after pos.:180

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L:17507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:295 after pos.:240
L:17522 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:296 after pos.:0
L:17575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:297 after pos.:0
L:17583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:297 after pos.:240
L:17635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:298 after pos.:64
L:17714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:299 after pos.:0
L:17757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:300 after pos.:0
L:17795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:301 after pos.:0
L:17833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:302 after pos.:0
L:17916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:304 after pos.:0
L:17951 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:305 after pos.:0
L:17994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:306 after pos.:0
L:18028 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:307 after pos.:0
L:18088 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:308 after pos.:0
L:18179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:310 after pos.:0
L:18201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:310 after pos.:660
L:18227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:311 after pos.:0
L:18279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:311 after pos.:208
L:18309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:312 after pos.:0
L:18327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:312 after pos.:540
L:18347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313 after pos.:0
L:18365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313 after pos.:540
L:18385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:314 after pos.:0
L:18405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:314 after pos.:600
L:18420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:315 after pos.:0
L:18454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:316 after pos.:0
L:18518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:317 after pos.:0
L:18569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:318 after pos.:540
L:18589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:319 after pos.:0
L:18607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:319 after pos.:540
L:18662 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:321 after pos.:0
L:18680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:321 after pos.:540
L:18700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:322 after pos.:0
L:18716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:322 after pos.:480
L:18824 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:323 after pos.:540
L:18826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:323 after pos.:600
L:18828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:323 after pos.:660
L:18830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:323 after pos.:720
L:18832 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:323 after pos.:780
L:18834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:323 after pos.:840
L:18963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:324 after pos.:192
L:18971 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:324 after pos.:224
L:18975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:324 after pos.:240
L:18979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:324 after pos.:256
L:18983 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:324 after pos.:272
L:19059 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:325 after pos.:0
L:19077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:325 after pos.:540
L:19079 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:325 after pos.:600
L:19081 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:325 after pos.:660

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L:19173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:326 after pos.:144
L:19177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:326 after pos.:160
L:19181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:326 after pos.:176
L:19185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:326 after pos.:192
L:19231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:327 after pos.:0
L:19263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:327 after pos.:960
L:19273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:327 after pos.:1260
L:19411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:329 after pos.:0
L:19433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:329 after pos.:660
L:19458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:330 after pos.:0
L:19476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:330 after pos.:540
L:19531 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:331 after pos.:0
L:19553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:331 after pos.:660
L:19623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:332 after pos.:0
L:19633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:332 after pos.:300
L:19635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:332 after pos.:360
L:19637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:332 after pos.:420
L:19657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:333 after pos.:0
L:19677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:333 after pos.:600
L:19702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:334 after pos.:0
L:19720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:334 after pos.:540
L:19750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:335 after pos.:0
L:19768 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:335 after pos.:540
L:19798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:336 after pos.:0
L:19802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:336 after pos.:120
L:19838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:336 after pos.:1200
L:19942 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:337 after pos.:352
L:19968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:338 after pos.:0
L:19988 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:338 after pos.:600
L:20018 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:339 after pos.:0
L:20036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:339 after pos.:540
L:20066 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:340 after pos.:0
L:20084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:340 after pos.:540
L:20109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:341 after pos.:0
L:20127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:341 after pos.:540
L:20152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:342 after pos.:0
L:20170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:342 after pos.:540
L:20190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:343 after pos.:0
L:20208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:343 after pos.:540
L:20241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:344 after pos.:540